



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/772,090

DATE: 09/17/2004

TIME: 11:43:10

Input Set : N:\Crf3\RULE60\10772090.raw  
 Output Set: N:\CRF4\09172004\J772090.raw

1 <110> APPLICANT: Baron, M.  
 2       Farrington, S.  
 3       Belaussoff, M.  
 4 <120> TITLE OF INVENTION: METHODS FOR MODULATING HEMATOPOIESIS AND VASCULAR  
 5       GROWTH  
 6 <130> FILE REFERENCE: HUIP-P01-060  
 7 <140> CURRENT APPLICATION NUMBER: US/10/772,090  
 8 <141> CURRENT FILING DATE: 2004-02-03  
 9 <150> PRIOR APPLICATION NUMBER: US/09/021,660  
 10 <151> PRIOR FILING DATE: 2001-08-27  
 11 <150> PRIOR APPLICATION NUMBER: 60/037,513  
 12 <151> PRIOR FILING DATE: 1997-02-10  
 13 <150> PRIOR APPLICATION NUMBER: 60/049,763  
 14 <151> PRIOR FILING DATE: 1997-06-16  
 15 <160> NUMBER OF SEQ ID NOS: 42  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 19  
 20 <212> TYPE: DNA  
 21 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 17  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 36 <210> SEQ ID NO: 3  
 37 <211> LENGTH: 20  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Artificial Sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 42 <400> SEQUENCE: 3  
 43       cagcactagg cctactacag  
 45 <210> SEQ ID NO: 4  
 46 <211> LENGTH: 20  
 47 <212> TYPE: DNA

ENTERED

19

17

20

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48 <213> ORGANISM: Artificial Sequence  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
51 <400> SEQUENCE: 4  
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54 <210> SEQ ID NO: 5  
55 <211> LENGTH: 20  
56 <212> TYPE: DNA  
57 <213> ORGANISM: Artificial Sequence  
58 <220> FEATURE:  
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60 <400> SEQUENCE: 5  
61 tgctgcctgt gagtcataac 20  
63 <210> SEQ ID NO: 6  
64 <211> LENGTH: 20  
65 <212> TYPE: DNA  
66 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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70 ctactctaag gcaacaaggcc 20  
72 <210> SEQ ID NO: 7  
73 <211> LENGTH: 20  
74 <212> TYPE: DNA  
75 <213> ORGANISM: Artificial Sequence  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
78 <400> SEQUENCE: 7  
79 aggagctgag tcgccaccc 20  
81 <210> SEQ ID NO: 8  
82 <211> LENGTH: 20  
83 <212> TYPE: DNA  
84 <213> ORGANISM: Artificial Sequence  
85 <220> FEATURE:  
86 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
87 <400> SEQUENCE: 8  
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90 <210> SEQ ID NO: 9  
91 <211> LENGTH: 20  
92 <212> TYPE: DNA  
93 <213> ORGANISM: Artificial Sequence  
94 <220> FEATURE:  
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
96 <400> SEQUENCE: 9  
97 gttacctctg ggatcccttc 20  
99 <210> SEQ ID NO: 10  
100 <211> LENGTH: 20  
101 <212> TYPE: DNA  
102 <213> ORGANISM: Artificial Sequence

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Input Set : N:\Crf3\RULE60\10772090.raw  
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103 <220> FEATURE:  
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
105 <400> SEQUENCE: 10  
106       gaggtgacca atgcaataag  
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109 <211> LENGTH: 20  
110 <212> TYPE: DNA  
111 <213> ORGANISM: Artificial Sequence  
112 <220> FEATURE:  
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
114 <400> SEQUENCE: 11  
115       tgcgatggtg tataacgtca  
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118 <211> LENGTH: 20  
119 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial Sequence  
121 <220> FEATURE:  
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
123 <400> SEQUENCE: 12  
124       gcttggcagc gaaacactaa  
126 <210> SEQ ID NO: 13  
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128 <212> TYPE: DNA  
129 <213> ORGANISM: Artificial Sequence  
130 <220> FEATURE:  
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
132 <400> SEQUENCE: 13  
133       ccataccgcc tctgtgactt  
135 <210> SEQ ID NO: 14  
136 <211> LENGTH: 20  
137 <212> TYPE: DNA  
138 <213> ORGANISM: Artificial Sequence  
139 <220> FEATURE:  
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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144 <210> SEQ ID NO: 15  
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146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:  
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
150 <400> SEQUENCE: 15  
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153 <210> SEQ ID NO: 16  
154 <211> LENGTH: 20  
155 <212> TYPE: DNA  
156 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:

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Input Set : N:\CrF3\RULE60\10772090.raw  
Output Set: N:\CREF4\09172004\J772090.raw

158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
159 <400> SEQUENCE: 16  
160       agggtctgct ggagaggtta  
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164 <212> TYPE: DNA  
165 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
168 <400> SEQUENCE: 17  
169       ggaaaaaaacc ctcatcaatg  
171 <210> SEQ ID NO: 18  
172 <211> LENGTH: 24  
173 <212> TYPE: DNA  
174 <213> ORGANISM: Artificial Sequence  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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178       attcatgtgc agagaggagg cata  
180 <210> SEQ ID NO: 19  
181 <211> LENGTH: 20  
182 <212> TYPE: DNA  
183 <213> ORGANISM: Artificial Sequence  
184 <220> FEATURE:  
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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187       cgactagttc gggacatccg  
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190 <211> LENGTH: 26  
191 <212> TYPE: DNA  
192 <213> ORGANISM: Artificial Sequence  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
195 <400> SEQUENCE: 20  
196       atggtaccgt acatattcct ctggtg  
198 <210> SEQ ID NO: 21  
199 <211> LENGTH: 24  
200 <212> TYPE: DNA  
201 <213> ORGANISM: Artificial Sequence  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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207 <210> SEQ ID NO: 22  
208 <211> LENGTH: 23  
209 <212> TYPE: DNA  
210 <213> ORGANISM: Artificial Sequence  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

**RAW SEQUENCE LISTING** DATE: 09/17/2004  
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Input Set : N:\Crf3\RULE60\10772090.raw  
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213 <400> SEQUENCE: 22
214      atggtaccac gcacaggta cgt
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217 <211> LENGTH: 20
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
222 <400> SEQUENCE: 23
223      caggaaagag agcagactga
225 <210> SEQ ID NO: 24
226 <211> LENGTH: 20
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
231 <400> SEQUENCE: 24
232      agctgatgca gctgatccag
234 <210> SEQ ID NO: 25
235 <211> LENGTH: 20
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
240 <400> SEQUENCE: 25
241      ctgctgctat ccatcagcgt
243 <210> SEQ ID NO: 26
244 <211> LENGTH: 20
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
249 <400> SEQUENCE: 26
250      aagaaggata agaggacagg
252 <210> SEQ ID NO: 27
253 <211> LENGTH: 1278
254 <212> TYPE: DNA
255 <213> ORGANISM: Gallus gallus
256 <220> FEATURE:
257 <221> NAME/KEY: CDS
258 <222> LOCATION: (1)..(1275)
259 <400> SEQUENCE: 27
260      atg gtc gaa atg ctg ctg ttg aca aga att ctc ttg gtg ggc ttc atc
261      Met Val Glu Met Leu Leu Leu Thr Arg Ile Leu Leu Val Gly Phe Ile
262      1           5           10          15
263      tgc gct ctt tta gtc tcc tct ggg ctg act tgt gga cca ggc agg ggc
264      Cys Ala Leu Leu Val Ser Ser Gly Leu Thr Cys Gly Pro Gly Arg Gly
265      20          25          30
266      att gga aaa agg agg cac ccc aaa aag ctg acc ccg tta gcc tat aag
  
```

23 20 20 20 20 48 96 144

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/17/2004  
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Input Set : N:\CrF3\RULE60\10772090.raw  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:32; N Pos. 1387,1388,1389  
Seq#:32; Xaa Pos. 463  
Seq#:39; Xaa Pos. 463  
Seq#:41; Xaa Pos. 7,8,9,12,13,14,17,19,22,27,29,30,31,33,40,41,44,45,46,48  
Seq#:41; Xaa Pos. 53,54,71,79,83,84,85,87,95,100,107,114,115,116,125,134  
Seq#:41; Xaa Pos. 135,139,141,157,158,160,162,166,167  
Seq#:42; Xaa Pos. 7,9,44,85,93,98,112,132,137,139

## VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10772090.raw  
 Output Set: N:\CRF4\09172004\J772090.raw

L:691 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32  
 L:694 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32  
 L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:1344  
 M:341 Repeated in SeqNo=32  
 L:1205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:448  
 L:1263 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:1266 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1272 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1275 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1278 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1281 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1284 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
 L:1290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1305 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1320 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1329 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1338 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1383 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
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 L:1389 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41

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Input Set : N:\Crf3\RULE60\10772090.raw  
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L:1392 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
L:1395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
L:1398 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
M:341 Repeated in SeqNo=41  
L:1429 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1432 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:1435 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:1438 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
M:341 Repeated in SeqNo=42